Contents of volume 69

No. 1: pp 1– 92 published July 1994
No. 2: pp 93–182 published August 1994
No. 3: pp 183–276 published September 1994
No. 4: pp 277–370 published October 1994
No. 5: pp 371–464 published November 1994
No. 6: pp 465–564 published December 1994

Aagaard P, Trolle M, Simonsen EB, Bangsbo J, Klausen K: Effects of different strength training regimes on moment and power generation during dynamic knee extensions 382
Aagaard P, Trolle M, Simonsen EB, Bangsbo J, Klausen K: Moment and power generation during maximal knee extensions performed at low and high speeds 376
Abraham P, Leftheriotis G, Desvaux B, Saumet M, Saumet JL: Diameter and blood velocity changes in the saphenous vein during thermal stress 305
Ahlquist LE → Hoffman JR
Ainsworth B → McCracken M
Akima H → Takahashi H
Alippi B → Dal Monte A
Amtorp O → Jacobsen TN
Anno I → Takahashi H
Antonini MT → Billat V
Antonutto G, Girardis M, Tuniz D, Petri E, Capelli C: Assessment of cardiac output from noninvasive determination of arterial pressure profile in subjects at rest 183
Araki H → Funase K
Armstrong LE → Hoffman JR
Asano K → Kuno S
Asano K → Radák Z

Bärtsch P → Stäubli M
Bangsbo J → Aagaard P
Bangsbo J → Olesen HL
Banister EW → Morton RH
Banssillon V → Degoute CS
Bedu M → Falgairette G
Beillot J → Carré F
Bergeron MF → Hoffman JR
Bergö GW, Tyssebotn I: Cerebral blood flow distribution and systemic haemodynamic changes after repeated hyperbaric oxygen exposures in rats 1
Bermon S, Lapoussière JM, Dolis C, Wolkiewiez J, Gastaud M: Pulmonary function of a firement-diver population: a longitudinal study 456
Besnard Y → Savourey G
Bigard AX, Lienhard F, Merino D, Serrurier B, Guezennec CY: Effects of growth hormone on rat skeletal muscle after hindlimb suspension 337
Billat V, Dalmay F, Antonini MT, Chassain AP: A method for determining the maximal steady state of blood lactate concentration from two levels of submaximal exercise 196
Billat V, Renoux JC, Pinoteau J, Petit B, Koralsztein JP: Times to exhaustion at 100% of velocity at $\dot{V}O_{2max}$ and modelling of the time-limit / velocity relationship in elite long-distance runners 271
Binzoni T → Farinelli CCJ
Birch R, Noble D, Greenhaff PL: The influence of dietary creatine supplementation on performance during repeated bouts of maximal isokinetic cycling in man 268
Bittel J → Savourey G
Blannin AK → Sewell DA
Boisvert P, Candas V: Validity of the Wescor's sweat conductivity analyzer for the assessment of sweat electrolyte concentrations 176
Bongiovi S → Palatini P
Bonomi R → Bosco C
Bosco C, Cotelli F, Bonomi R, Mognoni P, Roi GS: Seasonal fluctations of selected physiological characteristics of elite alpine skiers 71
Brechtel L → Gabriel H
Brody S, Maier C, Montoya P, Rau H: Speaking from the heart: cardiovascular components of stress rating changes and the relative reactivity of physiological and psychological variables 277
Bronks R → Taylor AD
Brown JMM → Lewis RD
Bunc V → Hofmann P
Busso T, Candau R, Lacour J-R: Fatigue and fitness modelled from the effects of training on performance 50

Cain JB → Livingstone SD
Cameron BJ → Morton RH
Campillo Alvarez JE → Moreno Vazquez JM
Candas V → Boisvert P
Candau R → Busso T
Capelli C → Antonutto G
Carey MF → Green S
Carmignoto F → Varnier M
Carré F, Dassonville J, Beillot J, Prigent J-Y, Rochcongar P: Use of oxygen uptake recovery curve to predict peak oxygen uptake in upper body exercise 258
Castellani JW → Hoffman JR
Cerretelli P → Farinelli CCJ
Chassain AP → Billat V
Chen F, Nilsson H, Holmér I: Finger cooling by contact with cold aluminium surfaces – effects of pressure, mass and whole body thermal balance 55
Choi W → Radák Z
Clarkson PM → Nosaka K
Coen B → Urhausen A
Cotelli F → Bosco C
Coudert J → Falgairette G

Dal Monte A, Sardella F, Alippi B, Faina M, Manetta A: A new respiratory valve system for measuring oxygen uptake during swimming 159
Dalmay F → Billat V
Dassonville J → Carré F
Dawson BT → Green S
de Boer J, Plijter-Groendijk H, Visser KR, Mook GA, Korf J: Continuous monitoring of lactate during exercise in humans using subcutaneous and transcutaneous microdialysis 281
de Haan A → Lodder MAN
Degoute CS, Dubreuil C, Ray MJ, Guitton J, Manchon M, Banssillon V, Saumet JL: Effects of posture, hypotension and locally applied vasoconstriction on the middle ear microcirculation in anaesthetized humans 414
Dennis SC → Lambert EV
Desvaux B → Abraham P
Di Vetta V → Schneiter P
Dolis C → Bermon S
Dubreuil C → Degoute CS
Duffin J → Mateika JH
Durand M → Mercier J

Edwards JE → Mikesky AE
Egawa K → Tsuboi T
Endo K → Sato T
Eßfeld D → Hoffmann U

Fagette S, Lo M, Gharib C, Gauquelin G: Sympathetic nervous activity and cardiovascular variability after a 3-day tail suspension in rats 480
Faina M → Dal Monte A
Falgairette G, Bedu M, Fellmann N, Spielvogel H, Van Praagh E, Obert P, Coudert J: Evaluation of physical fitness from field tests at high altitude in circumpubertal boys: comparison with laboratory data 36
Farinelli CCJ, Kayser B, Binzoni T, Cerretelli P, Girardier L: Autonomic

nervous control of heart rate at altitude (5050 m) 502
Fellmann N → Falgairette G
Fine M-O → Savourey G
Flückiger G → Stäubli M
Fujii N → Yamazaki F
Fukuba Y → Morton RH
Funase K, Imanaka K, Nishihira Y, Araki H: Threshold of the soleus muscle H-reflex is less sensitive to the change in excitability of the motoneuron pool during plantarflexion or dorsiflexion in humans 21
Fushiki T → Inoue K

Gabaree CL → Hoffman JR
Gabriel H, Urhausen A, Brechtel L, Müller H-J, Kindermann W: Alterations of regular and mature monocytes are distinct, and dependent of intensity and duration of exercise 179
Gaisl G → Hofmann P
Garcia Alcon JL → Moreno Vazquez JM
Garcia N → Savourey G
Gastaud M → Bermon S
Gastin PB, Lawson DL: Influence of training status on maximal accumulated oxygen deficit during all-out cycle exercise 321
Gastin PB, Lawson DL: Variable resistance all-out test to generate accumulated oxygen deficit and predict anaerobic capacity 331
Gauquelin G → Fagette S
Gharib C → Fagette S
Girardier L → Farinelli CCJ
Girardis M → Antonutto G
Gleeson M → Sewell DA
Glenmark B, Hedberg G, Jansson E: Prediction of physical activity level in adulthood by physical characteristics, physical performance and physical activity in adolescence: an 11-year follow-up study 530
Goodman C → Green S
Goudal C → Mercier J
Green S: A definition and system view of anaerobic capacity 168
Green S, Dawson BT, Goodman C, Carey MF: *Y*-intercept of the maximal work-duration relationship and anaerobic capacity in cyclists 550
Greenhaff PL → Birch R
Guezennec CY → Bigard AX
Guitton J → Degoute CS
Gunga H-C → Hildebrandt W

Hackney AC → McCracken M
Häkkinen K → Paavolainen L
Hanniquet A-M → Savourey G
Hansen J → Jacobsen TN
Harsha DM → Mikesky AE
Haugen A-H → Opstad PK
Hedberg G → Glenmark B
Herrmann J → Hildebrandt W
Hildebrandt W, Gunga H-C, Herrmann J, Röcker L, Kirsch K, Stegemann J: Enhanced slow caudad fluid shifts in orthostatic intolerance after 24-h bed-rest 61
Hildebrandt W, Herrmann J, Stegemann J: Fluid balance versus blood flow autoregulation in the elevated human limb: the role of venous collapse 127
Hodgson JL → Mallios VJ
Hoffman JR, Maresh CM, Armstrong LE, Gabaree CL, Bergeron MF, Kenefick RW, Castellani JW, Ahlquist LE, Ward A: Effects of hydration state on plasma testosterone, cortisol and catecholamine concentrations before and during mild exercise at elevated temperature 294
Hoffmann U, Eßfeld D, Leyk D, Wunderlich H-G, Stegemann J: Prediction of individual oxygen uptake onstep transients from frequency responses 93
Hofmann P, Bunc V, Leitner H, Pokan R, Gaisl G: Heart rate threshold related to lactate turn point and steady-state exercise on a cycle ergometer 132
Holmér I → Chen F
Hope A → Rønnestad I
Hopkins WG → Smith TBRJ

Ifuku H, Taniguchi K, Matsumoto H: Noninvasive assessment of cardiac contractility by using (d*P*/d*t*)/*P* of carotid artery pulses during exercise 244
Ikegami H → Yamazaki F
Imanaka K → Funase K
Inaki M → Kuno S
Inaki M → Takahashi H
Inoue K, Yamasaki S, Fushiki T, Okada Y, Sugimoto E: Androgen receptor antagonist suppresses exercise-induced hypertrophy of skeletal muscle 88
Itai Y → Kuno S
Itai Y → Kuno S-Y
Itai Y → Takahashi H
Izumi Y → Tsuboi T
Jacobsen TN, Hansen J, Nielsen HV, Wildschiødtz G, Kassis E, Larsen B, Amtorp O: Skeletal muscle vascular responses in human limbs to isometric handgrip 147

Janssen EME → Westerterp KR
Jansson E → Glenmark B
Jensen BR, Jørgensen K, Sjøgaard G: The effect of prolonged isometric contractions on muscle fluid balance 439
Jensen-Urstad M, Svedenhag J, Sahlin K: Effect of muscle mass on lactate formation during exercise in humans 189
Jéquier E → Schneiter P
Jørgensen K → Jensen BR

Kassis E → Jacobsen TN
Katsuta S → Kuno S-Y
Katsuta S → Takahashi H
Katsuta S → Yamaguchi A
Kayser B → Farinelli CCJ
Keefe AA → Livingstone SD
Kenefick RW → Hoffman JR
Kenny CTC → Morton RH
Kindermann W → Gabriel H
Kindermann W → Urhausen A
Kirsch K → Hildebrandt W
Kizaki T → Radák Z
Klausen K → Aagaard P
Komi PV → Kyröläinen H
Kondo M → Mizuno T
Koralsztein JP → Billat V
Korf J → de Boer J
Kukkonen-Harjula K, Oja P, Vuori I, Pasanen M, Lange K, Siitonen S, Metsä-Ketelä T, Vapaatalo H: Cardiovascular effects of Atenolol, Scopolamine and their combination on healthy men in Finnish sauna baths 10
Kuno S, Inaki M, Tanaka K, Itai Y, Asano K: Muscle energetics in short-term training during hypoxia in elite combination skiers 301
Kuno S → Takahashi H
Kuno S-Y, Ogawa T, Katsuta S, Itai Y: In vivo human myocardial metabolism during aerobic exercise by phosphorus-31 nuclear magnetic resonance spectroscopy 488
Kyröläinen H, Komi PV: Neuromuscular performance of lower limbs during voluntary and relfex activity in power- and endurance-trained athletes 233

Lacour J-R → Busso T
Lambert EV, Speechly DP, Dennis SC, Noakes TD: Enhanced endurance in trained cyclists during moderate intensity exercise following 2 weeks adaptation to a high fat diet 287
Lange K → Kukkonen-Harjula K
Lapoussière JM → Bermon S
Larsen B → Jacobsen TN
Lawson DL → Gastin PB
Le Gallais D → Mercier J
Lee K → Radák Z
Leese GP → Varnier M
Leftheriotis G → Abraham P
Leiper JB → Maughan RJ
Leitner H → Hofmann P
Lewis RD, Brown JMM: Influence of muscle activation dynamics on reaction time in the elderly 344
Lewko J → Mariak Z
Leyk D → Hoffmann U
Li X, Tokura H, Midorikawa T: The effects of two types of clothing on seasonal cold tolerance 498
Lienhard F → Bigard AX
Livingstone SD, Nolan RW, Cain JB, Keefe AA: Effect of working in hot environments on respiratory air temperatures 98
Lo M → Fagette S
Lodder MAN, de Haan A, Sargeant AJ: Effect of growth on efficiency and fatigue in extensor digitorum longus muscle of the rat 429
Lora L → Varnier M
Łuczaj J → Mariak Z

Macor F → Palatini P
Maeda J → Yamaguchi A
Maier C → Brody S
Mallios VJ, Hodgson JL: Imposed breathing pattern alters respiratory work during exercise 262
Manchon M → Degoute CS
Manetta A → Dal Monte A
Maresh CM → Hoffman JR
Mariak Z, Lewko J, Łuczaj J, Połocki B, White MD: The relationship between directly measured human cerebral and tympanic temperatures during changes in brain temperatures 545
Mario L → Palatini P
Marshall RN → Stanley SN
Martin A, Martin L, Morlon B: Theoretical and experimental behaviour of the muscle viscosity coefficent during maximal concentric actions 539
Martin L → Martin A
Martines D → Varnier M
Mateika JH, Duffin J: The ventilation, lactate and electromyographic threshold during incremental exercise tests in normoxia, hypoxia and hyperoxia 110
Matsumoto H → Ifuku H
Maughan RJ → Shirreffs SM
Maughan RJ, Owen JH, Shirreffs SM, Leiper JB: Postexercise rehydration in man: effects of electrolyte addition to ingested fluids 209
McCracken M, Ainsworth B, Hackney AC: Effects of the menstrual cycle phase on the blood lactate responses to exercise 174
Meijer GAL → Westerterp KR
Mercier J, Le Gallais D, Durand M, Goudal C, Micallef JP, Préfaut C: Energy expenditure and cardiorespiratory responses at the transition between walking and running 525
Merino D → Bigard AX
Metsä-Ketelä T → Kukkonen-Harjula K
Micallef JP → Mercier J
Michieletto M → Palatini P
Midorikawa T → Li X
Mikesky AE, Topp R, Wigglesworth JK, Harsha DM, Edwards JE: Efficacy of a home-based training program for older adults using elastic tubing 316
Miyamoto T → Takahashi H
Miyazaki M → Tsuboi T
Mizuno T, Takanashi Y, Yoshizaki K, Kondo M: Fatigue and recovery of phosphorus metabolites and pH during stimulation of rat skeletal muscle: an evoked electromyography and in vivo ^{31}P-nuclear magnetic resonance spectroscopy study 102
Mognoni P → Bosco C
Montoya P → Brody S
Mook GA → de Boer J
Moreno Vazquez JM, Garcia Alcon JL, Campillo Alvarez JE: Influence of diet and physical exercise on plasma lipid concentrations in an homogeneous sample of young Spanish Air Force pilots 75
Moritani T → Oda S
Moritani T → Takaishi T
Morlon B → Martin A
Morton RH: Critical power test for ramp exercise 435
Morton RH, Fukuba Y, Banister EW, Walsh ML, Kenny CTC, Cameron BJ: Statistical evidence consistent with two lactate turnpoints during ramp exercise 445
Müller H-J → Gabriel H
Murphy AJ, Wilson GJ, Pryor JF: Use of the iso-inertial force mass relationship in the prediction of dynamic human performance 250

Naccarato R → Varnier M
Nelson DA → Nunneley SA
Nielsen HV → Jacobsen TN
Nilsson H → Chen F
Nishihira Y → Funase K
Noakes TD → Lambert EV
Noble D → Birch R
Nolan RW → Livingstone SD
Nosaka K, Clarkson PM: Effect of eccentric exercise on plasma enzyme activities previously elevated by eccentric exercise 492
Nummela A → Paavolainen L
Nunneley SA, Nelson DA: Limitations on arteriovenous cooling of the blood supply to the human brain 474

Obert P → Falgairette G
Oda S, Moritani T: Maximal isometric force and neural activity during bilateral and unilateral elbow flexion in humans 240
Ogawa T → Kuno S-Y
Oh-ishi S → Radák Z
Ohno H → Radák Z
Oja P → Kukkonen-Harjula K
Okada Y → Inoue K
Okumoto T → Yamaguchi A
Olesen HL, Raabo E, Bangsbo J, Secher NH: Maximal oxygen deficit of sprint and middle distance runners 140
Opstad PK, Wiik P, Haugen A-H, Skrede KK: Adrenaline stimulated cyclic adenosine monophosphate response in leucocytes is reduced after prolonged physical activity combined with sleep and energy deprivation 371
Owen JH → Maughan RJ

Paavolainen L, Häkkinen K, Nummela A, Rusko H: Neuromuscular characteristics and fatigue in endurance and sprint athletes during a new anaerobic power test 119
Palatini P, Bongiovi S, Macor F, Michieletto M, Mario L, Schiraldi C, Pessina AC: Left ventricular performance during prolonged exercise and early recovery in healthy subjects 396
Pasanen M → Kukkonen-Harjula K
Pasche O → Schneiter P
Patterson MJ, Warlters D, Taylor NAS: Attenuation of the cutaneous blood flow response during combined exercise and heat stress 367
Pesina AC → Palatini P
Petit B → Billat V
Petri E → Antonutto G
Pinoteau J → Billat V
Plijter-Groendijk H → de Boer J
Pokan R → Hofmann P
Połocki B → Mariak Z
Préfaut C → Mercier J
Prigent J-Y → Carré F
Pryor JF → Murphy AJ

Raabo E → Olesen HL
Radák Z, Lee K, Choi W, Sunoo S, Kizaki T, Oh-ishi S, Suzuki K, Taniguchi N, Ohno H, Asano K: Oxidative stress induced by intermittent exposure at a simulated altitude of 4000 m decreases mitochondrial superoxide dismutase content in soleus muscle of rats 392
Rau H → Brody S
Ray MJ → Degoute CS
Renoux JC → Billat V
Rochcongar P → Carré F
Rode A, Shephard RJ: Physiological consequences of acculturation: a 20-year study of fitness in an Inuit community 516
Röcker L → Hildebrandt W
Roi GS → Bosco C
Rønnestad I, Thorsen E, Segadal K, Hope A: Bronchial response to breathing dry gas at 3.7 MPa ambient pressure 32
Rusko H → Paavolainen L

Sahlin K → Jensen-Urstad M
Sardella F → Dal Monte A
Sargeant AJ → Lodder MAN
Sarto P → Varnier M
Sato T, Sugimoto H, Yan WX, Endo K, Yamamoto M: Alkaline phosphatase isozymes of serum and urine and urinary protein in young men before and after running 3 km 355
Satou T → Tsuboi T
Saumet JL → Abraham P
Saumet JL → Degoute CS
Saumet M → Abraham P
Savourey G, Bittel J: Cold thermoregulatory changes induced by sleep deprivation in men 216
Savourey G, Garcia N, Besnard Y, Hanniquet A-M, Fine M-O, Bittel J: Physiological changes induced by pre-adaptation to high altitude 221
Schiraldi C → Palatini P
Schneiter P, Pasche O, Di Vetta V, Jéquier E, Tappy L: Noninvasive assessment of in vivo glycogen kinetics in humans: effect of increased physical activity on glycogen breakdown and synthesis 557

Schoffelen P → Westerterp KR
Secher NH → Olesen HL
Segadal K → Rønnestad I
Seger JY, Thorstensson A: Muscle strength and myoelectric activity in prepubertal and adult males and females 81
Serrurier B → Bigard AX
Sewell DA, Gleeson M, Blannin AK: Hyperammonaemia in relation to high-intensity exercise duration in man 350
Shephard RJ → Rode A
Shirreffs SM → Maughan RJ
Shirreffs SM, Maughan RJ: The effect of posture change on blood volume, serum potassium and whole body electrical impedande 461
Sietsema KE → Zhang YY
Siitonen S → Kukkonen-Harjula K
Simonsen EB → Aagaard P
Sjøgaard G → Jensen BR
Skrede KK → Opstad PK
Smith TBRJ, Hopkins WG, Taylor NAS: Respiratory response of elite oarsmen, former oarsmen, and highly trained non-rowers during rowing, cycling and running 44
Smolander J: Capacity for vasodilatation in the forearms of manual and office workers 163
Solomon C, Taylor NAS: The effects of exercise duration on dynamics of respiratory gas exchange, ventilation, and heart rate 421
Sone R → Yamazaki F
Speechly DP → Lambert EV
Spielvogel H → Falgairette G
Stäubli M, Vogel F, Bärtsch P, Flückiger G, Ziegler WH: Hyperventilation-induced changes of blood cell counts depend on hypocapnia 402
Stanley SN, Marshall RN, Tilyard MW, Taylor NAS: Skeletal muscle mechanics in osteoporotic and non-osteoporotic postmenopausal women 450
Stegemann J → Hildebrandt W
Stegemann J → Hoffmann U
Sugimoto E → Inoue K
Sugimoto H → Sato T
Sullivan CS → Zhang YY
Sunoo S → Radák Z
Suzuki K → Radák Z
Svedenhag J → Jensen-Urstad M

Takahashi H, Kuno S, Miyamoto T, Yoshioka H, Inaki M, Akima H, Katsuta S, Anno I, Itai Y: Changes in magnetic resonance images in human skeletal muscle after eccentric exercise 408
Takaishi T, Yasuda Y, Moritani T: Neuromuscular fatigue during prolonged pedalling exercise at different pedalling rates 154
Takanashi Y → Mizuno T
Tanaka K → Kuno S
Taniguchi K → Ifuku H
Taniguchi N → Radák Z
Tappy L → Schneiter P
Taylor AD, Bronks R: Electromyographic correlates of the transition from aerobic to anaerobic metabolism in treadmill running 508
Taylor NAS → Patterson MJ
Taylor NAS → Smith TBRJ
Taylor NAS → Solomon C
Taylor NAS → Stanley SN
Thorsen E → Rønnestad I
Thorstensson A → Seger JY
Tilyard MW → Stanley SN
Tokura H → Li X
Topp R → Mikesky AE
Trolle M → Aagaard P
Tsuboi T, Satou T, Egawa K, Izumi Y, Miyazaki M: Spectral analysis of electromyogram in lumbar muscles: fatigue induced endurance contraction 361
Tuniz D → Antonutto G
Tyssebotn I → Bergö GW

Urhausen A → Gabriel H
Urhausen A, Weiler B, Coen B, Kindermann W: Plasma catecholamine during endurance exercise of different intensities as related to the individual anaerobic threshold 16

Van Praagh E → Falgairette G
Vapaatalo H → Kukkonen-Harjula K
Varnier M, Sarto P, Martines D, Lora L, Carmignoto F, Leese GP, Naccarato R: Effect of infusing branched-chain amino acid during incremental exercise with reduced muscle glycogen content 26
Visser KR → de Boer J
Vogel F → Stäubli M
Vuori I → Kukkonen-Harjula K

Walsh ML → Morton RH
Ward A → Hoffman JR
Warlters D → Patterson MJ
Wasserman K → Zhang YY
Watari H → Yoshida T
Weiler B → Urhausen A
Westerterp KR, Meijer GAL, Schoffelen P, Janssen EME: Body mass, body composition and sleeping metabolic rate before, during and after endurance training 203
White MD → Mariak Z
Wigglesworth JK → Mikesky AE
Wiik P → Opstad PK
Wildschiødtz G → Jacobsen TN
Wilson GJ → Murphy AJ
Wolkiewiez J → Bermon S
Wunderlich H-G → Hoffmann U

Yamaguchi A, Maeda J, Okumoto T, Katsuta S: Increased capillary density due to atrophy of ischaemic soleus muscle of the rat 387
Yamamoto M → Sato T
Yamasaki S → Inoue K
Yamazaki F, Fujii N, Sone R, Ikegami H: Mechanisms of potentiation in sweating induced by long-term physical training 228
Yan WX → Sato T
Yasuda Y → Takaishi T
Yoshida T, Watari H: Exercise-induced splitting of the inorganic phosphate peak: investigation by time-resolved ^{13}P-nuclear magnetic resonance spectroscopy 465
Yoshioka H → Takahashi H
Yoshizaki K → Mizuno T

Zhang YY, Sietsema KE, Sullivan CS, Wasserman K: A method for estimating bicarbonate buffering of lactic acid during constant work rate exercise 309
Ziegler WH → Stäubli M

Acknowledgement to referees 564

Contents of volume 69 I–VI

Indexed in *Current Contents*